SEARCH REQUEST

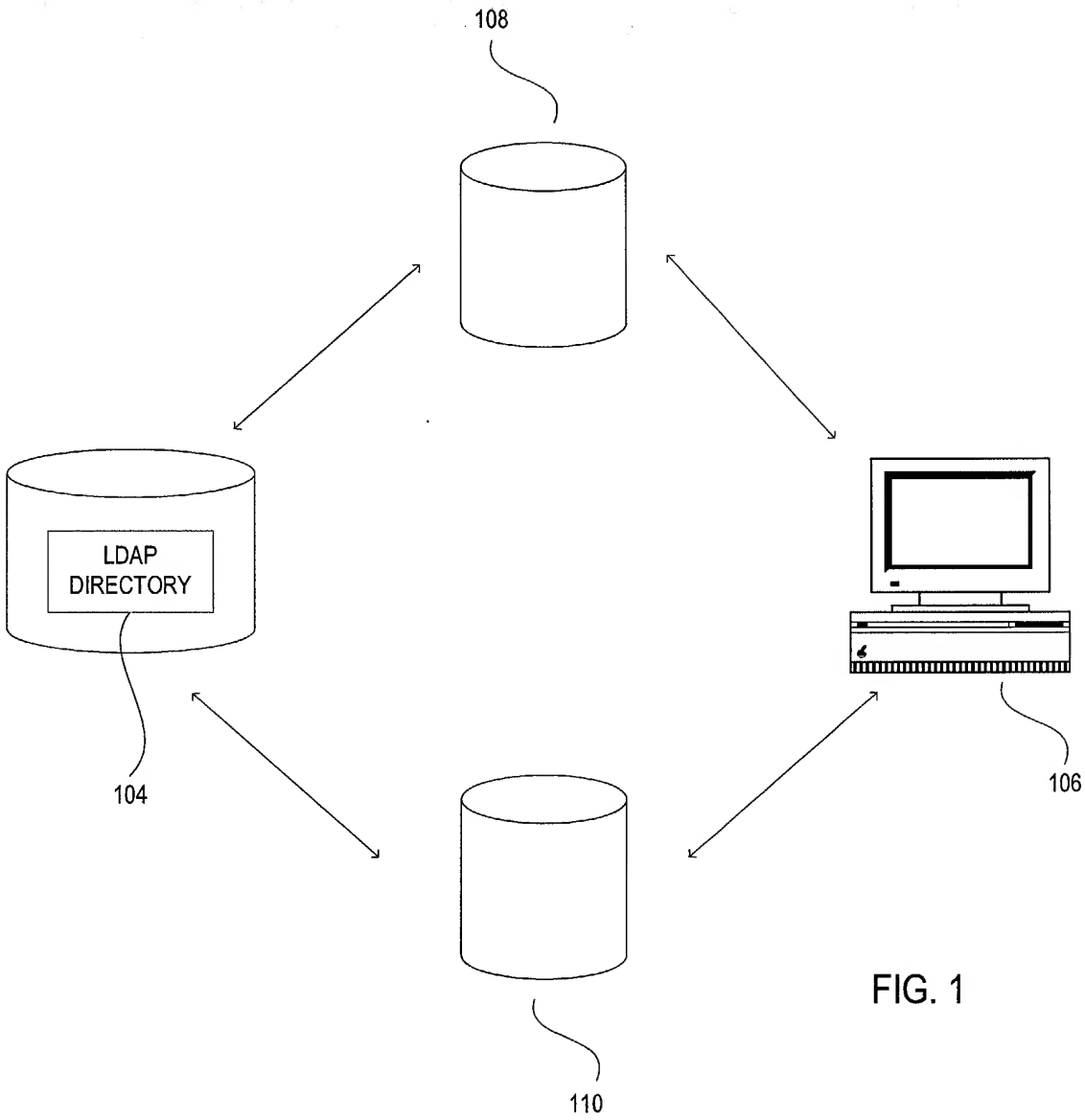

FIG. 1

SEARCH REPORT

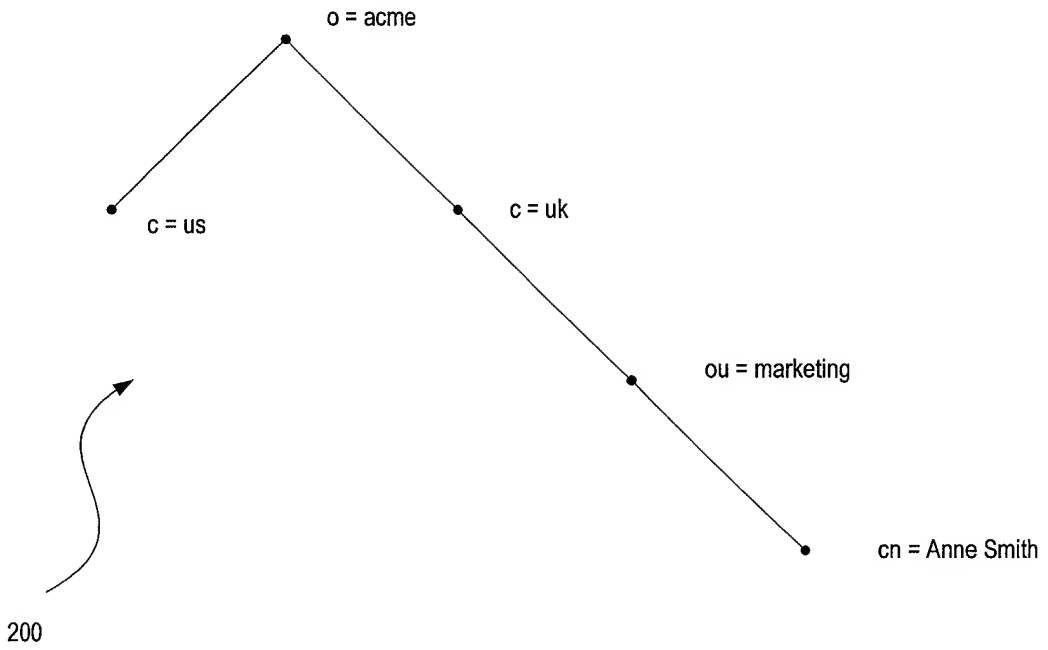

FIG. 2a

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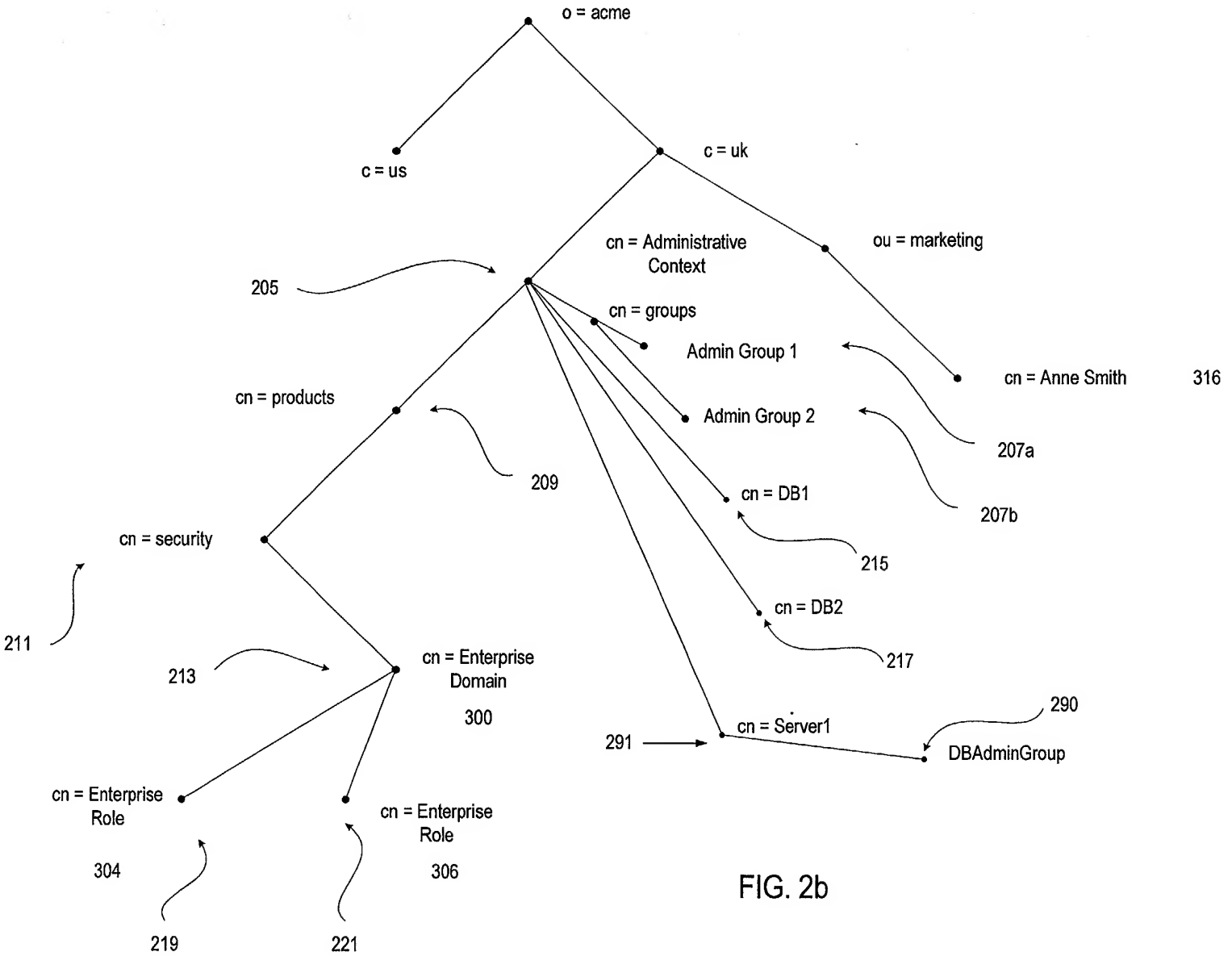

FIG. 2b

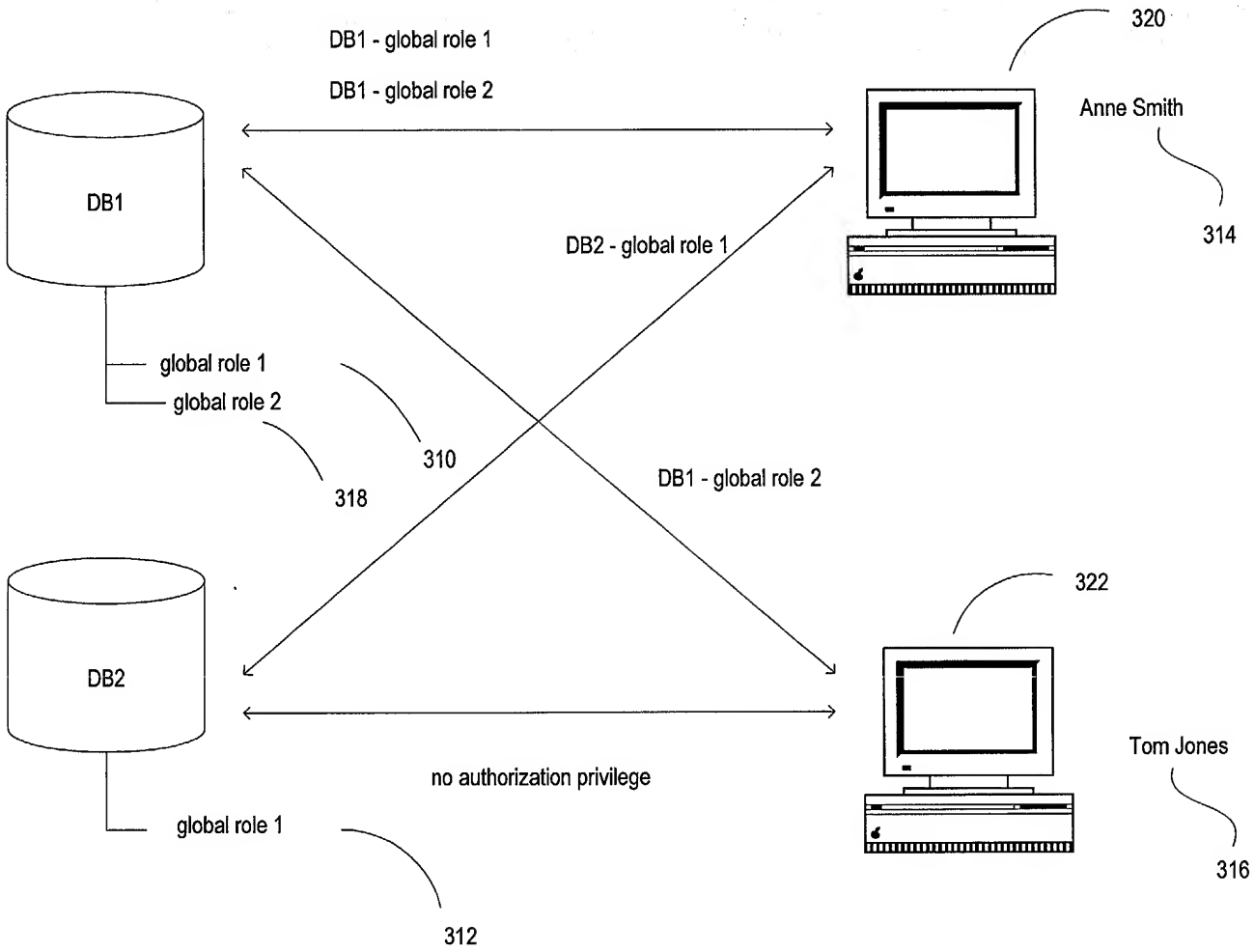
DB1 - global role 1
DB1 - global role 2
320
Anne Smith
314
DB1
DB2 - global role 1
global role 1
global role 2
310
318
DB1 - global role 2
DB2
322
Tom Jones
316
no authorization privilege
global role 1
312

FIG. 3a

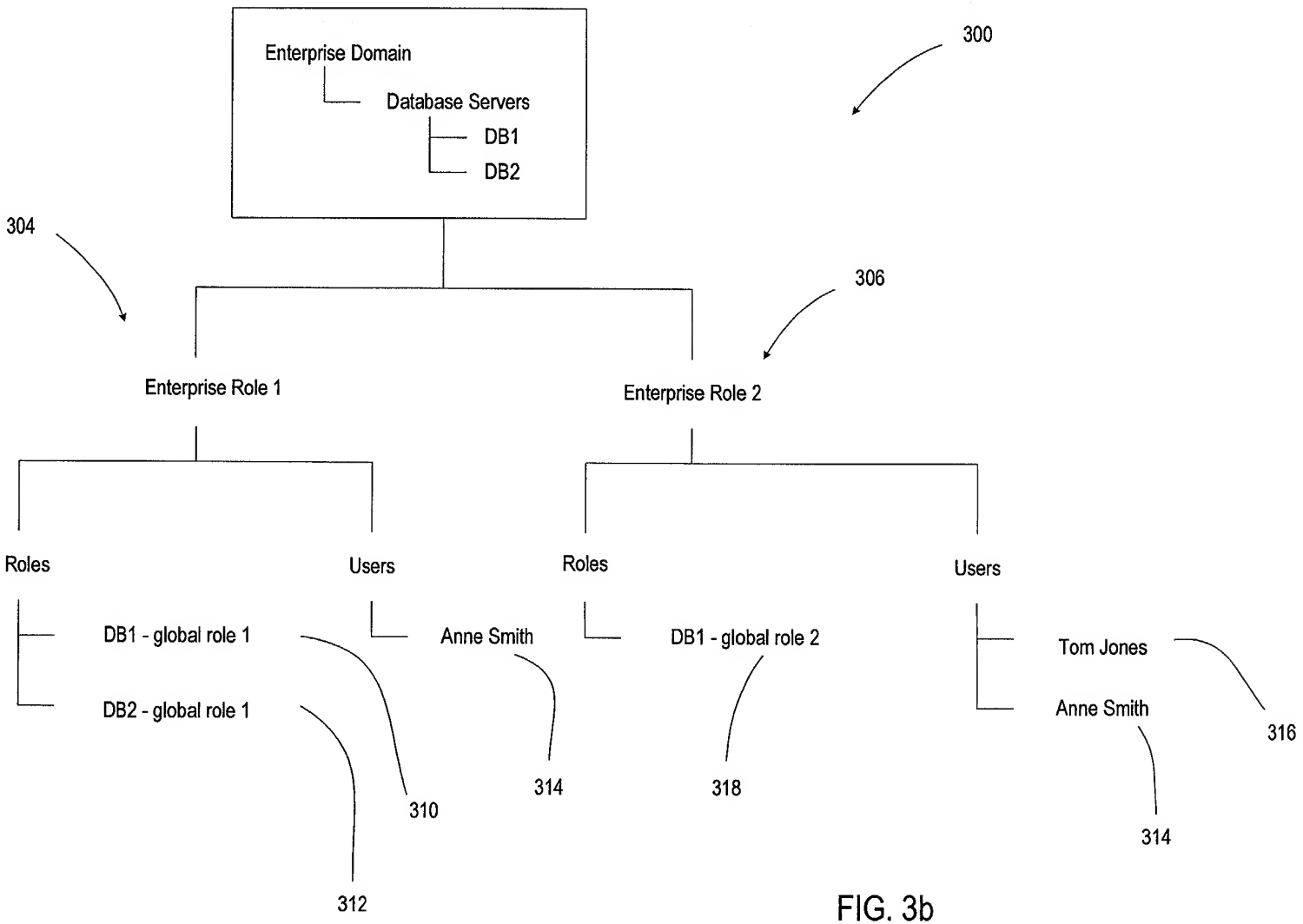

FIG. 3b

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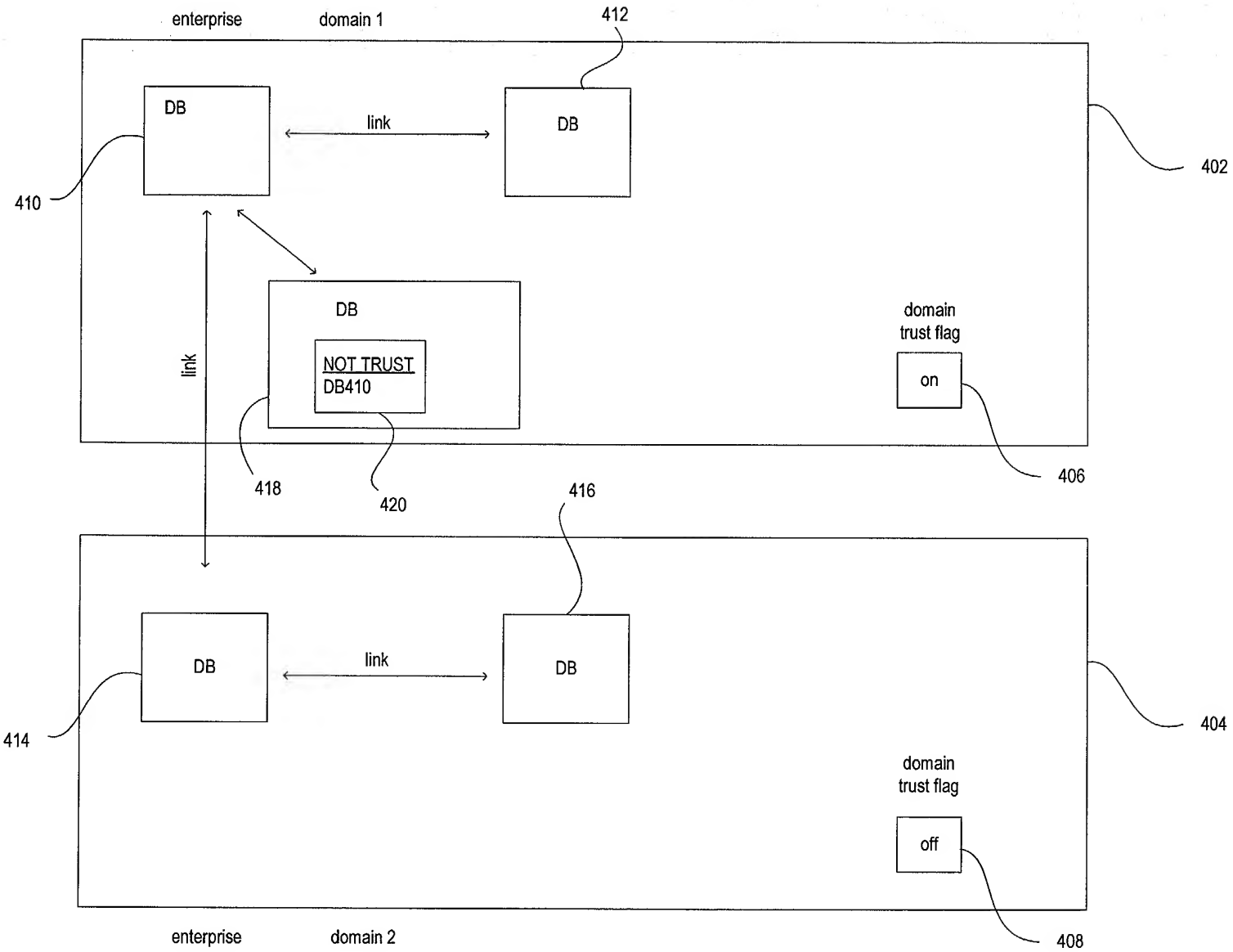

FIG. 4

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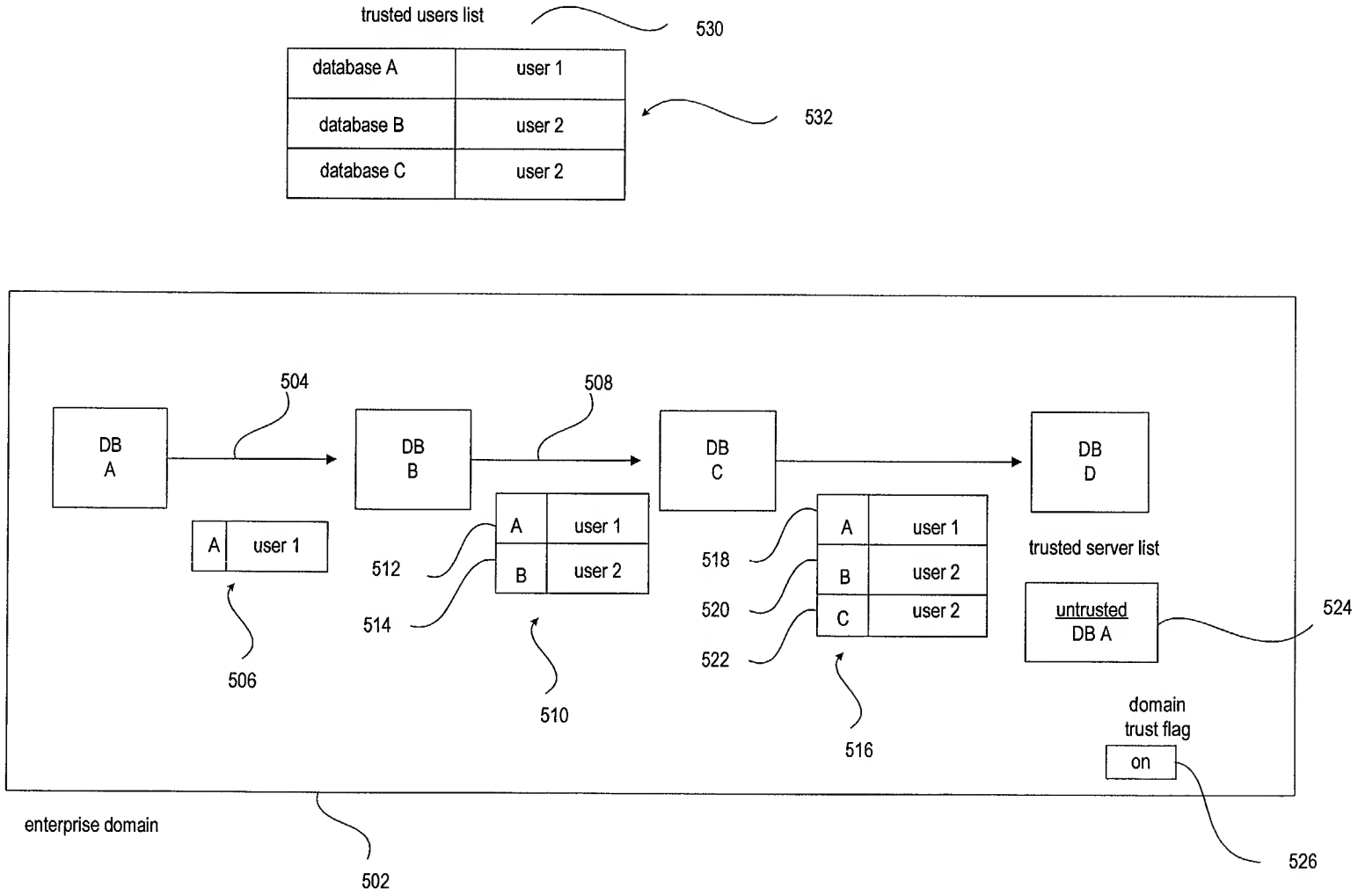

FIG. 5

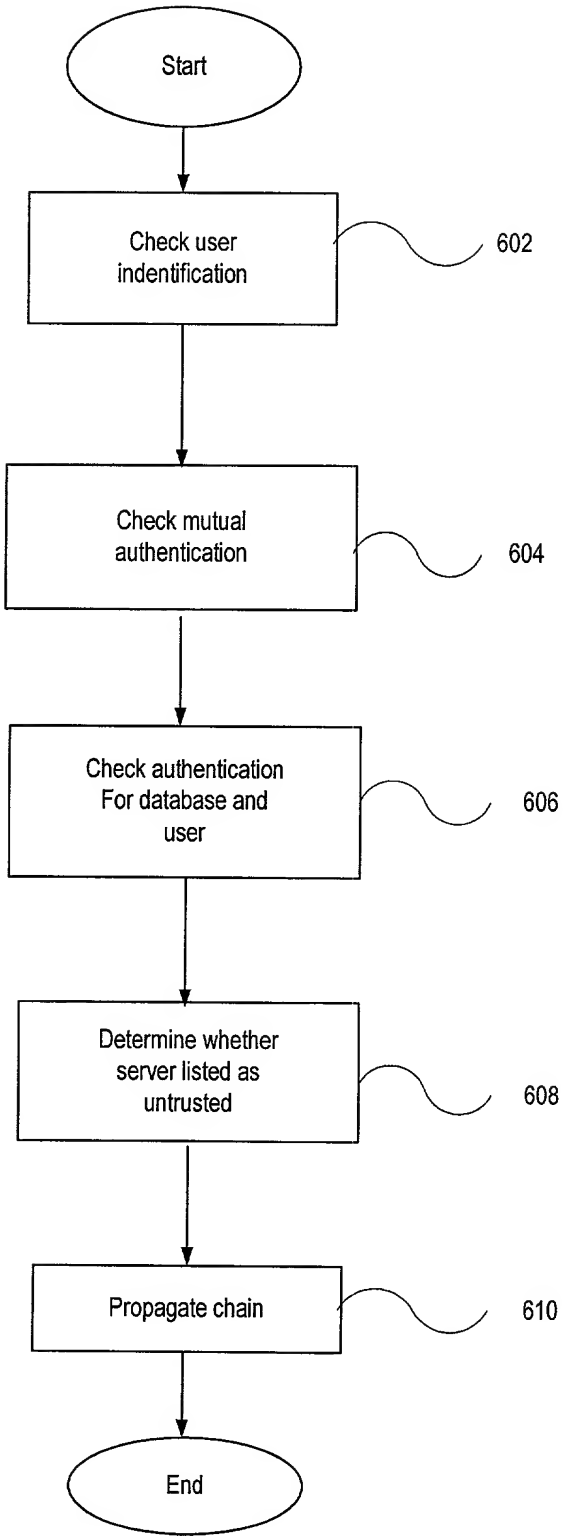
Start
Check user indentification
602
Check mutual authentication
604
Check authentication For database and user
606
Determine whether server listed as untrusted
608
Propagate chain
610
End

FIG. 6

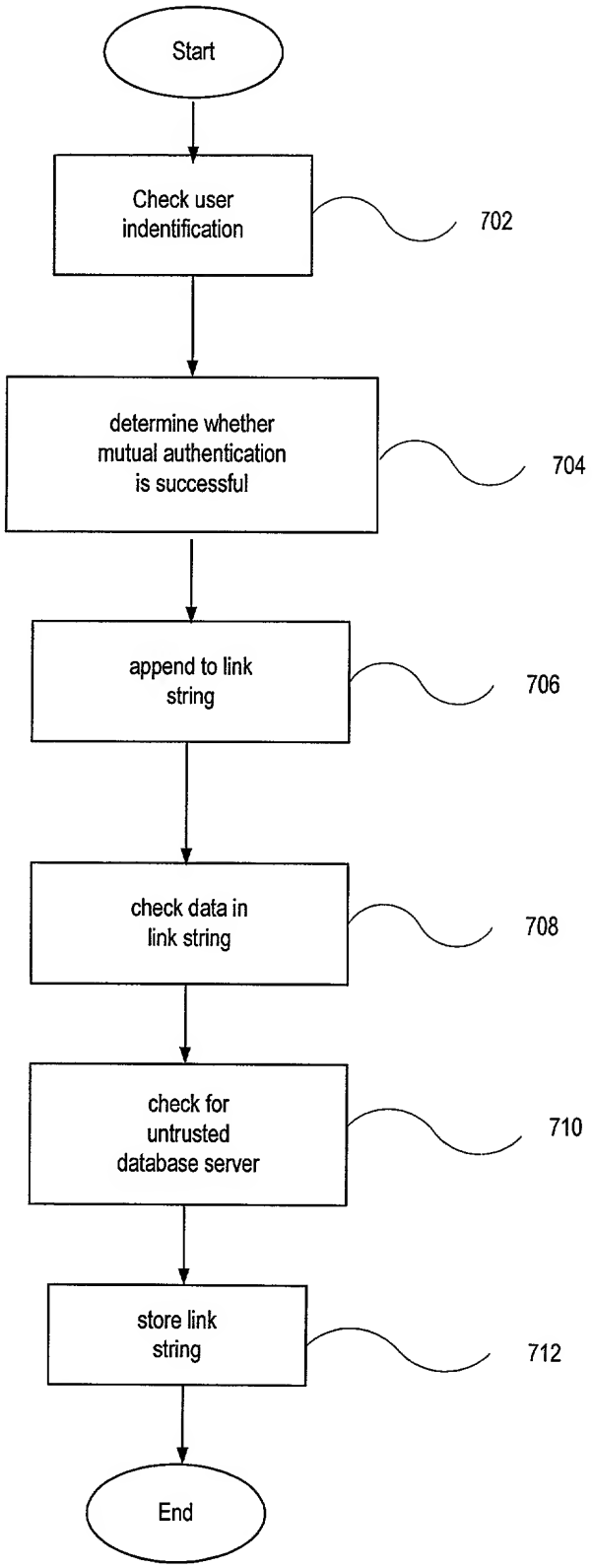
Start
Check user indentification
702
determine whether mutual authentication is successful
704
append to link string
706
check data in link string
708
check for untrusted database server
710
store link string
712
End

FIG. 7

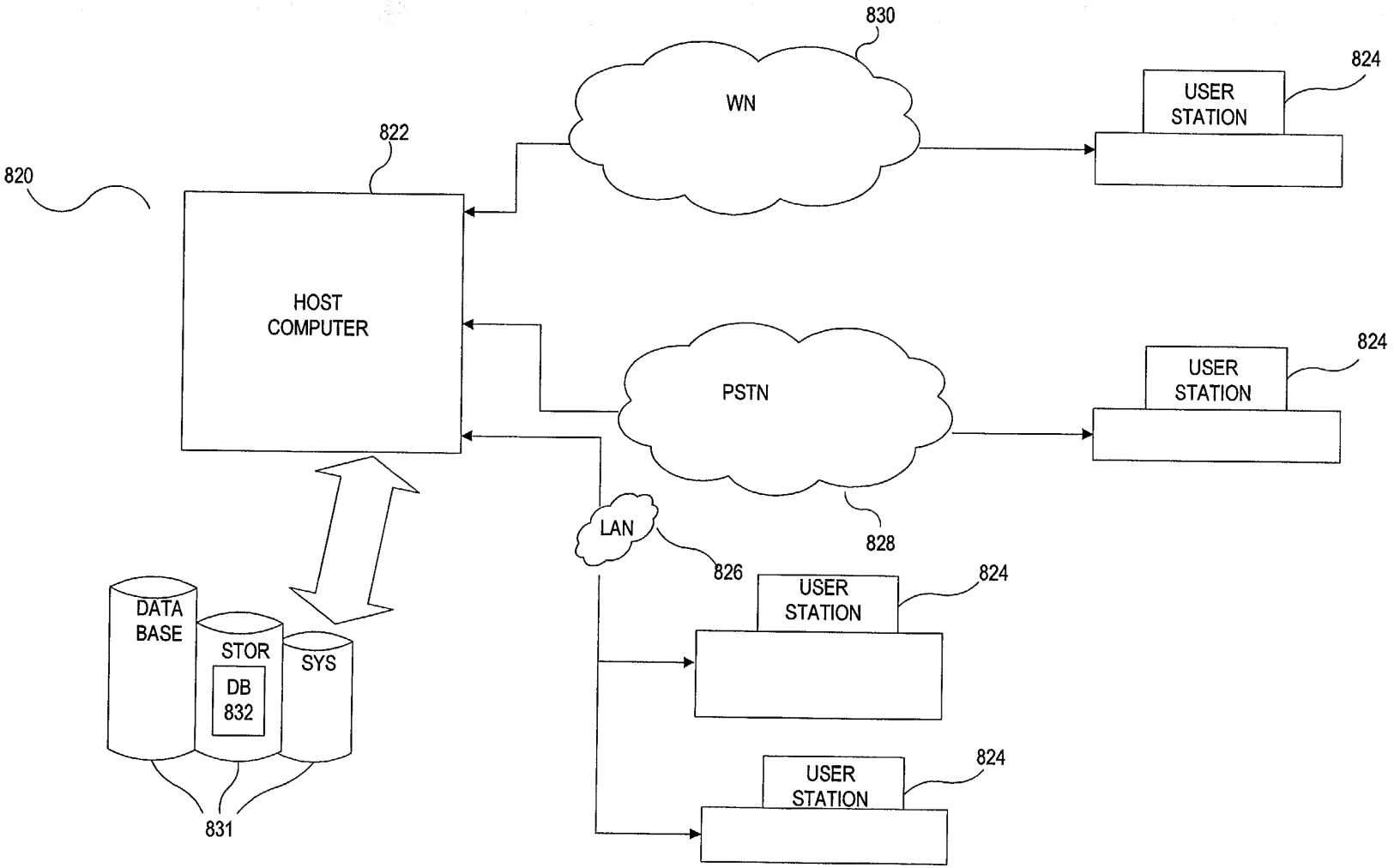

FIG.8

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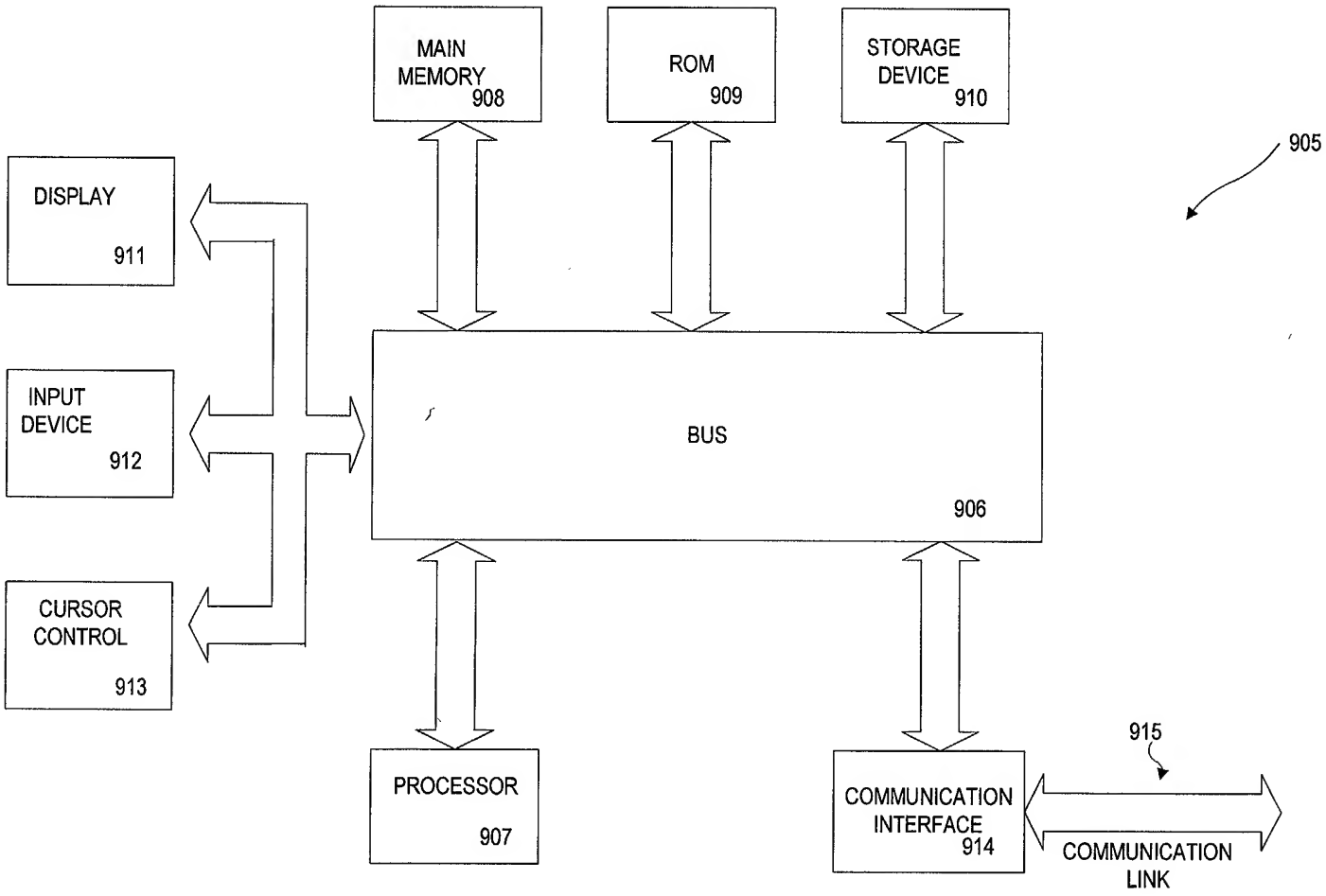

FIG. 9